SIEVE OF ERATOSTHENES

The operation of the **Sieve of Eratosthenes** suggests that primes should be rarer among the larger integers.

• 1-50: There are 15 primes.

• 50 - 100: There are 10 primes.

1	2	3	4	5	4	7	8	9 /	10
11	12	13	14	15/	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35 4	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	△ 56	57	58	59	60
61	62	63	64	65	× 66	67	68	69/	70 X
71	72	73	74	75	76	77	78	79	80
81	82	83	× 84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1 - 50: The primes are **2**, **3**, **5**, **7**, **11**, **13**, **17**, **19**, **23**, **17**, **19**, **23**, **29**, **31**, **37**, **41**, **43**, and **47**. (15 primes)

50 – 100: The primes are **53**, **59**, **61**, **67**, **71**, **73**, **79**, **83**, **89**, and **97**. (10 primes)